Use the Confluence editor? Don't disable TLSv1.2 just yet

The problem

A Safari 16.0 user complained that Confluence's editor was totally broken, with the generic error "The editor didn't load this time. The connection timed out":

R Jeff Turner's Home - Jeff Turner - Red Radish Wiki						R Jeff Turner's Home - Jeff Turner - Red Radish Wiki									
🏺 🧳 Red Radish W	/iki Spaces v	- People	Calendars	Create		Q	Searc	h			?	\$	(
Paragraph 🗸 🖪 🛽	<u>u a</u> ~	<u>*</u> * := :		≝ ≓	÷=			ଟ 🖽	• + •	5	2J	Q	<>	?	
People / Jeff Turner / Jeff Turner's	s Home		e 🎙 🖻	UNPUBLISHE	D CHANG	JE	The c speak using conne	connect to you a proxy ections	lidn't load ion timed (ir Confluer y server th ind out mo	out. If it l nce admi at preve	happen in. You i	may be	×		
Test Edit	C	onnecting	What d	id you chanc	16?			Notify	watchers		Update	Clo	se		
		onnecting 돈 Console		id you chang		Timelines			watchers	_	Update				
Test Edit × □ □ □ □ • ◆ ▲ ●	C	onnecting 汪 Console I Evaluations	Sources	D Network	к 🕘 т	Timelines Debugs	0)	Notify Storage	🔺 Graph	ics 🖺	Layers	Clo Clo Auc User Gest	lit C		
×□□□□�▲❶	Elements ect (Transport.ha r: The operation of ect (Transport.ha he operation coul ect (Transport.ha r: The operation of	E Console Evaluations IndshakeOverXI couldn't be comple IndshakeOverXI idn't be comple IndshakeOverXI couldn't be comple	Sources Errors Warn hr: ws connection hr: ws connection hr: ws connection ted. (OSStatus hr: ws connection pleted. (OSStatus	Network hings Logs on failed, and tus error -983 on failed, and error -9836.) on failed, and tus error -983	() T Infos C cross-ori i6.) cross-ori cross-ori i6.)	Debugs igin-long igin-long igin-long	All Sou -polling -polling -polling	Storage rces \$ is disabl is disabl	Graph F led) led)	ics 🖺	Layers	₹ Auc	lit C	ک د	

These two lines appear repeatedly in the Developer console:

[Error] WebSocket network error: The operation couldn't be completed. (OSStatus error -9836.) (x2)
[Warning] Synchrony: Warning: reconnect (Transport.handshakeOverXhr: ws connection failed, and cross-originlong-polling is disabled)

The editor worked fine for this user in Chrome - just Safari is broken.

The Cause

I had recently modernized my Apache webserver TLS settings:

```
# modern configuration
SSLProtocol all -SSLv3 -TLSv1 -TLSv1.1 -TLSv1.2
```

Safari 16.0 and 16.1 (latest as of 28 Nov 2022) seems to support TLSv1.3 just fine, *except* for when opening a websocket connection. Then (and only then) Safari tries to use TLSv1.2:

```
wiki.redradishtech.com:443 10.147.17.167 - - [28/Nov/2022:23:35:05 +1100] "GET /synchrony/v1/bayeux-sync1 HTTP
/1.1" 200 5236 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko)
Version/16.0 Safari/605.1.15" 11359166 TLSv1.2 ECDHE-RSA-AES256-GCM-SHA384
```

If TLSv1.2 is disabled, as in my super-modern config, you get hangs and editor unhappiness.

Seems a few other people experienced this problem with Safari websockets too.

So much for the bleeding edge.